



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov



Bib Data Sheet

CONFIRMATION NO. 4321

SERIAL NUMBER 10/664,870	FILING DATE 09/22/2003  RULE	CLASS 428	GROUP ART UNIT 1773	ATTORNEY DOCKET NO. 1021.39339VX1
-----------------------------	---------------------------------------	--------------	------------------------	---

## APPLICANTS

Masaaki Futamoto, Shiroyama, JAPAN;

Kazuetsu Yoshida, Hidaka, JAPAN;

Yukio Honda, Fuchu, JAPAN; Yoshiyuki Hirayama, Kodaira, JAPAN;

Atsushi Kikugawa, Higashimurayama, JAPAN;

## \*\* CONTINUING DATA \*\*\*\*\*

This application is a DIV of 09/717,213 11/22/2000 PAT 6,686,070

## \*\* FOREIGN APPLICATIONS \*\*\*\*\*

JAPAN 11-336117 11/26/1999

## IF REQUIRED, FOREIGN FILING LICENSE GRANTED

\*\* 12/11/2003

Foreign Priority claimed <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	STATE OR COUNTRY JAPAN	SHEETS DRAWING 5	TOTAL CLAIMS 6	INDEPENDENT CLAIMS 3
35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance	EXAMINER'S SIGNATURE H. [Signature]	INITIALS [Initials]		
Verified and Acknowledged				

## ADDRESS

24956

MATTINGLY, STANGER, MALUR &amp; BRUNDIDGE, P.C.

1800 DIAGONAL ROAD

SUITE 370

ALEXANDRIA, VA

22314

## TITLE

Perpendicular magnetic recording media, magnetic recording apparatus

☐ All Fees☐ 1.16 Fees ( Filing )